Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1-43. (cancelled)

44. (Previously Presented) A catheter comprising an elongate tubular member having a proximal end, a distal end, and a lumen extending therebetween, the lumen defined by an inner tubular liner, the elongate tubular member comprising:

a relatively stiff proximal section comprising a metallic stiffener and a non-metallic stiffener, the metallic and non-metallic stiffeners being coaxially wound exterior to a proximal portion of the inner tubular liner; and

a relatively flexible distal section comprising the non-metallic stiffener coaxially wound exterior to a distal portion of the inner liner, the metallic stiffener terminating before reaching the distal section.

- 45. (Previously Presented) The catheter of claim 44, wherein the non-metallic stiffener is interposed between the inner tubular liner and the metallic stiffener.
- 46. (Previously Presented) The catheter of claim 44, wherein the metallic stiffener is interposed between the inner tubular liner and the non-metallic stiffener.
- 47. (Previously Presented) The catheter of claim 44, wherein the metallic stiffener is a helically wound ribbon.
- 48. (Previously Presented) The catheter of claim 44, wherein the non-metallic stiffener is a helically wound ribbon.

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49. (Previously Presented) The catheter of claim 44, wherein the metallic stiffener is helically wound in one direction and the non-metallic stiffener is helically wound in an opposite

direction.

50. (Previously Presented) The catheter of claim 44, wherein the metallic and non-

metallic stiffeners are interwoven to form a braid member.

51. (Previously Presented) The catheter of claim 50, wherein the metallic and non-

metallic stiffeners each comprise a ribbon.

52. (Previously Presented) The catheter of claim 51, wherein the ribbons have a thickness

of between about 0.3 mil. and about 3.5 mil. and a width between about 2.5 mil. and about 12.0

mil.

53-55. (Canceled)

56. (Previously Presented) The catheter of claim 44, wherein the non-metallic stiffener

comprises a material capable of undergoing permanent deformation upon exposure to steam.

57. (Previously Presented) The catheter of claim 44, wherein the non-metallic stiffener

comprises a polymer.

58. (Previously Presented) The catheter of claim 57, wherein the polymer comprises a

liquid crystal polymer.

59. (Previously Presented) The catheter of claim 57, wherein the polymer comprises a

material selected from the group consisting of polyimide, polyethylene, polyethylene

terephthalate, and Nylon.

60. (Previously Presented) The catheter of claim 44, wherein the metallic stiffener

comprises a superelastic alloy.

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61. (Previously Presented) The catheter of claim 57, wherein the superelastic alloy

comprises nickel and titanium.

62. (Previously Presented) The catheter of claim 44, wherein the metallic stiffener

comprises stainless steel.

63. (Previously Presented) The catheter of claim 44, wherein the metallic stiffener

comprises a material selected from the group consisting of gold, platinum, and copper.

64. (Previously Presented) The catheter of claim 44, wherein the metallic stiffener

comprises a platinum-tungsten alloy.

65. (Previously Presented) The catheter of claim 44, wherein the inner tubular liner

comprises a proximal portion and a distal portion, and the proximal and distal portions each

comprise a polymer.

66. (Currently Amended) The catheter of claim 65, wherein the polymer is selected from

the group consisting of polyimide, polyamide, polyester, polyethylene, polypropylene, polyvinyl

chloride, polyfluorocarbons, polyurethane, polysulfone polysulfone, ethyl vinyl acetate,

polyether block amide, styrene-ethylene/butylene-styrene, styrene-butadiene-styrene,

polyethylene terephthalate, and their mixtures, alloys, blends, copolymers, and block

copolymers.

67. (Previously Presented) The catheter of claim 44, wherein the proximal section

comprises a proximal outer cover exterior to the metallic and non-metallic stiffeners, and the

distal section comprises a distal outer cover exterior to the non-metallic stiffener.

68. (Previously Presented) The catheter of claim 67, wherein the proximal and distal

outer covers comprise a material selected from the group consisting of polyimide, polyamide,

polyether block amide, styrene-ethylene/butylene-styrene, styrene-butadiene-styrene,

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polyethylene, polypropylene, polyvinyl chloride, fluoropolymer, vinylidene fluoride, polyurethane, and their mixtures, alloys, copolymers, and block copolymers.

- 69. (Previously Presented) The catheter of claim 67, wherein the proximal and distal outer covers are integrally formed and comprise a polymer which can be heat-shrunk onto the metallic and non-metallic stiffeners.
- 70. (Previously Presented) The catheter of claim 67, wherein at least one of the inner tubular liner and the outer covers are radiopaque.
- 71. (Previously Presented) The catheter of claim 44, further comprising a removable, slidable guidewire placed interior to and in slidable relationship to the distal and proximal sections.
- 72. (Previously Presented) The catheter of claim 44, wherein non-metallic stiffener comprises a helically wound ribbon having a rectangular cross-section extending generally parallel to a longitudinal axis of the catheter in the proximal section, and extending generally perpendicular to the longitudinal axis of the catheter in the distal section.
- 73. (Previously Presented) A catheter comprising an elongate tubular member having a proximal end, a distal end, and an inner lumen therebetween, the inner lumen defined by an inner tubular liner, the elongate tubular member comprising:
- a relatively stiff proximal section comprising a proximal braid member comprising at least one metal strand and at least one non-metal strand, and a proximal outer cover, the braid being coaxially wound exterior to the inner tubular liner; and
- a relatively flexible distal section comprising the inner tubular liner and a distal braid member comprising the at least one non-metal strand, and a distal outer cover, the at least one metal strand terminating before reaching the distal section.
- 74. (Previously Presented) The catheter of claim 73, wherein the metal strand and the non-metal strand each comprise a ribbon.

75. (Previously Presented) The catheter of claim 74, wherein the ribbons have a thickness of between about 0.5 mil. and about 3.5 mil. and a width between about 2.5 mil. and about 12.0 mil.

76. (Previously Presented) The catheter of claim 73, wherein the at least one metal strand comprises four metal strands and the at least one non-metal strand comprises four non-metal strands.

77. (Previously Presented) The catheter of claim 73, wherein the non-metal strand comprises a polymer.

78. (Previously Presented) The catheter of claim 77, wherein the polymer comprises a liquid crystal polymer.

79. (Previously Presented) The catheter of claim 77, wherein the polymer comprises a material selected from the group consisting of polyimide, polyethylene, polyethylene terephthalate, and Nylon.

80. (Previously Presented) The catheter of claim 73, wherein the metal strand comprises a superelastic alloy.

- 81. (Previously Presented) The catheter of claim 80, wherein the superelastic alloy comprises nickel and titanium.
- 82. (Previously Presented) The catheter of claim 73, wherein the metal strand comprises stainless steel.
- 83. (Previously Presented) The catheter of claim 73, wherein the metal strand comprises a platinum-tungsten alloy.

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84. (Previously Presented) The catheter of claim 73, wherein the inner tubular liner and

the proximal and distal outer covers comprise a polymer.

85. (Previously Presented) The catheter of claim 73, further comprising a removable,

slidable guidewire placed interior to and in slidable relationship to the distal and proximal

sections.

86. (Previously Presented) The catheter of claim 73, wherein the distal section is disposed

at the distal end of the catheter.